

FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE <b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		ATTORNEY DOCKET NUMBER 36290-0429-00-US
		U.S. APPLICATION NO. If known, see 37 CFR 1.5 10/589,229
INTERNATIONAL APPLICATION NO. PCT/GB2005/000518	INTERNATIONAL FILING DATE 14 February 2005 (14.02.2005)	PRIORITY DATE CLAIMED 12February 2004 (12.02.2004)
TITLE OF INVENTION <b>STEM CELLS</b>		
APPLICANT(S) FOR DO/EO/US <b>MURDOCH Alison; STOJKOVIC Miodrag; LAKO Majlinda; STRACHAN Thomas.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154 (d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has not expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).</li> <li>9. <input type="checkbox"/> An oath or a declaration of the inventor(s) (35 U.S.C. 371 (c)(4))</li> <li>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
<b>Items 11 to 20 below concern document(s) or information included</b>		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821-1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: 1449 Form, in duplicate and copies of references cited.</li> </ol>		

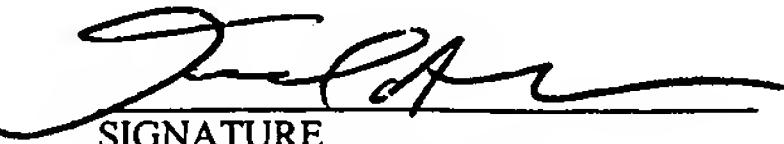
page 1 of 2

**CERTIFICATION UNDER 37 C.F.R. § 1.10**

I hereby certify that this paper, along with any documents referred to as being enclosed therewith, is being deposited with the United States Postal Service on 11/22/2006 in an envelope as "Express Mail Post Office to Addressee," Mailing Label No. EV299887902US addressed to the Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313.



DENISE M. COLLINS

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				Calculations	PTO use only																														
The following fees are submitted:																																			
21. <input type="checkbox"/> Basic national Fee.....\$ 300.00																																			
22. <input type="checkbox"/> Examination Fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) All other situations \$ 100.00 \$ 200.00																																			
23. <input type="checkbox"/> Search Fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$ 100.00 International Search Report prepared and provided to the Office.....\$ 400.00 All other situations .....\$ 500.00																																			
<b>TOTAL OF 21, 22 and 23 =</b>																																			
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.																																			
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE																																
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Surcharge of for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(h)).																																			
<table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>NUMBER EXTRA</th> <th colspan="3">RATE</th> </tr> </thead> <tbody> <tr> <td>Total claims</td> <td>* - 20 =</td> <td>0</td> <td colspan="3">X \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>* - 3 =</td> <td>0</td> <td colspan="3">X \$200.00</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIM(S) (if applicable)</td> <td colspan="3">+ \$360.00</td> </tr> <tr> <td colspan="6" style="text-align: center;"><b>TOTAL OF ABOVE CALCULATIONS =</b></td> </tr> </tbody> </table>						CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE			Total claims	* - 20 =	0	X \$50.00			Independent claims	* - 3 =	0	X \$200.00			MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360.00			<b>TOTAL OF ABOVE CALCULATIONS =</b>					
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<b>TOTAL OF ABOVE CALCULATIONS =</b>																																			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½.																																			
<b>SUBTOTAL =</b>																																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).																																			
<b>TOTAL NATIONAL FEE =</b>																																			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property																																			
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<p>a. <input type="checkbox"/> A check in the amount of \$_____ to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. <u>50-0573</u> in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>50-0573</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p>																																			
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.																																			
SEND ALL CORRESPONDENCE TO:																																			
<p>Daniel A. Monaco, Esquire DRINKER BIDDLE &amp; REATH LLP One Logan Square, 18<sup>th</sup> &amp; Cherry Streets Philadelphia, PA 19103-7595 Tel.: (215) 988.3312</p>  <p>SIGNATURE NAME: <u>Daniel A. Monaco</u> REGISTRATION NUMBER: <u>30,480</u> DATE: <u>November 22, 2006</u></p>																																			